

## Solving Proportions

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each proportion.**

1)  $\frac{10}{8} = \frac{n}{10}$

2)  $\frac{7}{5} = \frac{x}{3}$

3)  $\frac{9}{6} = \frac{x}{10}$

4)  $\frac{7}{n} = \frac{8}{7}$

5)  $\frac{4}{3} = \frac{8}{x}$

6)  $\frac{7}{b+5} = \frac{10}{5}$

7)  $\frac{6}{b-1} = \frac{9}{7}$

8)  $\frac{4}{m-8} = \frac{8}{2}$

9)  $\frac{5}{6} = \frac{7n+9}{9}$

10)  $\frac{4}{9} = \frac{r-3}{6}$

$$11) \frac{7}{9} = \frac{b}{b-10}$$

$$12) \frac{9}{k-7} = \frac{6}{k}$$

$$13) \frac{4}{n+2} = \frac{7}{n}$$

$$14) \frac{n}{n-3} = \frac{2}{3}$$

$$15) \frac{x-3}{x} = \frac{9}{10}$$

$$16) \frac{5}{r-9} = \frac{8}{r+5}$$

$$17) \frac{p+10}{p-7} = \frac{8}{9}$$

$$18) \frac{2}{8} = \frac{n+4}{n-4}$$

$$19) \frac{n-5}{n+8} = \frac{2}{7}$$

$$20) \frac{n-6}{n-7} = \frac{9}{2}$$

## Solving Proportions

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each proportion.**

1)  $\frac{10}{8} = \frac{n}{10}$

{12.5}

2)  $\frac{7}{5} = \frac{x}{3}$

{4.2}

3)  $\frac{9}{6} = \frac{x}{10}$

{15}

4)  $\frac{7}{n} = \frac{8}{7}$

{6.12}

5)  $\frac{4}{3} = \frac{8}{x}$

{6}

6)  $\frac{7}{b+5} = \frac{10}{5}$

{-1.5}

7)  $\frac{6}{b-1} = \frac{9}{7}$

{5.66}

8)  $\frac{4}{m-8} = \frac{8}{2}$

{9}

9)  $\frac{5}{6} = \frac{7n+9}{9}$

{-0.21}

10)  $\frac{4}{9} = \frac{r-3}{6}$

{5.66}

$$11) \frac{7}{9} = \frac{b}{b-10}$$

$$\{-35\}$$

$$12) \frac{9}{k-7} = \frac{6}{k}$$

$$\{-14\}$$

$$13) \frac{4}{n+2} = \frac{7}{n}$$

$$\{-4.66\}$$

$$14) \frac{n}{n-3} = \frac{2}{3}$$

$$\{-6\}$$

$$15) \frac{x-3}{x} = \frac{9}{10}$$

$$\{30\}$$

$$16) \frac{5}{r-9} = \frac{8}{r+5}$$

$$\{32.33\}$$

$$17) \frac{p+10}{p-7} = \frac{8}{9}$$

$$\{-146\}$$

$$18) \frac{2}{8} = \frac{n+4}{n-4}$$

$$\{-6.66\}$$

$$19) \frac{n-5}{n+8} = \frac{2}{7}$$

$$\{10.19\}$$

$$20) \frac{n-6}{n-7} = \frac{9}{2}$$

$$\{7.28\}$$